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REFERENCE LISTING

<110> Reed, Steven G.
Xu, Jiangchun
Dillon, Davin C.

<120> COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS OF BREAST CANCER AND
METHODS FOR THEIR USE

<130> 210121.446C2

<140> US

<141> 1998-02-08

<160> 94

<170> PatentIn Ver. 2.0

<210> 1

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

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ctttcaatat ttacaaaaat gctcacgcag caaatatgaa aagctncaac acttcccttt 180
gttaacttgc tgcaatnaat gcaactttta canacataca aatttcttct gtatcttaaa 240
agttnaatta ctaattttta tgatnttnt caagatnttt attcatatac ttttaatgac 300
tcnttgccna tacatacnta ttttctttac ttttttttta cnatnggccac acagctttca 360
ngcagncnc aaaaatctta ccggttaatt acacgggggt gt 402

<210> 2

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 2

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ncatttccaa ctnagcccac gctttcaacc nngccnaaca aagaaaatca gttnggggta 180
aattctttgc tgganacaaa gaactacatt cttttgtaaa tnatgctttg tttgctctgt 240
gcaaacncag attgaagggg anaagganac ttntggggac ggaaacaact ngnagaagca 300
gganccgccc agggncattt cctcaccatg cttaatcttg cnetcacttg cngggcacca 360
ttaaacttgg tgcaaaaggc gcaattggtg nanggaacce cacaccttcc ttaaaaagca 420

gggc

424

<210> 3

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 3

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ctntctgcag tctnctgtcc tgtgcccggg ctaatggatc gacactanat ggacagntcn 240
cagatcttcc gttcttntcc cttccccaat ttencaccnc tccccttctt ncccggatcn 300
tttggggaca tgntaatttt gcnatcetta aacctgccc gccangggtc ccnanctcag 360
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<210> 4

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 4

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atggacacng tgaaatgtag ccgctnatca ntttaaaact tcattttgaa ggccctttnc 240
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acatgcanac nagttaaac tgtgnactgg tcangcaaac cnanntggaa nanaagggnn 360
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tgt

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<210> 5

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 5

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gcaacctggc acttcaagga agtgcaccga tnacgtctag accggccaac acagatctag 180
aggtggccaa ctgatcactg taggagctga ctggcaanan tcaaccgggc cccaaccnag 240

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agtgaccaan acnaccattn aggatcacco acaggcactc ctgctcctag ggccaaccna 300
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<210> 6
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

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 tgtacttaac cccacagccn tctgggatna gccgcttttc agccaccatn tcttcaaatt 180
 catcagcatt aaacttggtg aancccccact tctttaagat ntgnatcttc tggcggccag 240
 naaacttgaa cttggccctg cgcagggcct caatcacatg ctcttggttc tgcagcttgg 300
 tgcgnaagga cntaatnact tggccnatgt gaacctggc cacantgccc tggggctttc 360
 caaaggcacc tcgcaagcct ntttggancc tgnccgcccc ngcacaggga caacatcttg 420
 ttt 423

<210> 7
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 7
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 nanttggtgt acaataatgt tccaatttng gacnttcggc atctaccctg gtacacctgg 180
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 catattgttg tacatgcaga tgaatnngaa gaacttgta actactatca ggatcggtggc 360
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<210> 8
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 8
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 taatatatgt gtatatatcc acgtgtgtgt gtgtgtatca aaaacaacan aanttttagtg 120
 atctatatct ntngctcaca tatgcatggg agataccagt aaaaaataag tnaatctcca 180
 taatatgttt taaaactcan anaaatcnga gagactnaaa gaaaacgtnn atcannatga 240

ttgtngataa tcttgaanaa tnacnaaaac atat

274

<210> 9
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 9
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ataagagtga taagtgtgaa aatccttgcc ttctctttta tcttaatgna naggcatctg 120
gtttttcacc attaatgta ataatggctn tatgtatttt tatnnatggg cttnatggag 180
ttaaaaaagt tttcctctnt ccttngttat ctaanagttt tnatcaaaaa tgggtataat 240
atttngttca gtacttttnc ctgcacctat agatatgatn ctgttatttt ttcttcttng 300
cctnnanata tgatggatna ca 322

<210> 10
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 10
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ttctatatatt acaatatctc tggaattcca ctttcccttc taatttgact aatatttctg 180
cttctcaggc agcagcgctt tctggcaacc ataagaacca acntgnggac taggtcgggtg 240
ggccaaggat caggaaacag aanaatggaa gnagccccc n tgacnctatt aancntnaa 300
actatctnaa ctgctagttt tcaggcttta aatcatgtaa natacgtgtc cttnttgctg 360
caaccggaag catcctagat ggtacactct ctccagggtgc caggaaaaga tcccaaatng 420
caggn 425

<210> 11
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 11
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ttaaaggaat ggtacaaatc aaaaaactta atttaatttt tnggtacaac ttatagaaaa 120
ggttaaggaa accccaacat gcatgcactg ccttggtaac cagggnattc cccnccggct 180
ntggggaaat tagcccaang ctnagctttc attatcactn tccccagggt tntgcttttc 240
aaaaaaattt nccgcenagc cnaatccggg cncctccatc tggcgcaant tggtcacttg 300
gtcccccnat tctttaangg cttncacctn ctcattcggg tnatgtgtct caattaaatc 360

ccacngatgg gggtcatttt tntcnnttag ccagtttggt nagttccgtt attganaaaa 420
ccan 424

<210> 12
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 12
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atgttgtctg ctttttccac tagagccctt aacaacttaa tcatgggtat ttttaagggt 120
ctaataattc cnaaactggg atcataaata agtctcggtc tnatgcttgt tttctctcta 180
tcacactgtg ttngttgctt tttnacatgc tttgtaattt ttggctgaaa gctgaaaaat 240
nacatactg gtnttacaac ctgaggtaan cagecttnta gtgtgaggtt ttatatntta 300
ctggctaaga gctnggcnet gttnantant tgttgtnant ntatatgcca naggctttna 360
tttccnctng tgtccttgct tnagtacccc attnttttag gggttcccta naaactctat 420
ctnaat 426

<210> 13
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 13
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aatcaaggct cactgcaacc tctgccttat aaagcatttn ctaaagggtac aagctaaatt 120
ttaaaaatat ctctncacaa ctaatgtata acaaaaatta gttctacctc ataaacnct 180
ggctcagccc tcgnaacaca tttccctggt ctcaactgat gaacactcca naaacagaac 240
anatntaagc ttttccaggc ccagaaaagc tcgcgagggg atttgctntg tgtgtgacac 300
acttgccacc ctgtggcagc acagctccac acntgctttg ggccgcattt gcaagttctc 360
tgtaancccc ctgnaagacc cggatcagct gggtngaat tgcangcnct cttttggca 419

<210> 14
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 14
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ccctcaggaa agcaaagagc ttgaaaaatg tctctctgtc atggaagccn aagtgaaggc 120
teanactgct ccaacaagga tntgcanagg gagatcgcta accttggaga ggccctggcc 180
actgcagtcn tcccccantg gcagaaggat gaattgcggg agactctcan atcccttang 240

gaagggtcgtg gatnacttgg accgagcctc nnaagccaat ntccagaaca agtggttgag 300
 aagacaaagc anttcatcga cgccaacccc naccggcctc tnttctcctg ganattgana 360
 gcggcgcccc cgcccagggc ctttaataanc cntgaagctn 400

<210> 15
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 15
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 agcgagatta gacntactga anatccatgc aggtcccatt acaaagcatg gtgaaataga 120
 tgatgaagca attgtgaagc tatcggtatg ctttnatgga gcagatctga gaaatgtttg 180
 tactgaagca ggtatgttgc caattcgtgc tgatcatgat tttgtagtac aggaagactt 240
 catgaaagcn gtcagaanag tggctnattc tnaaagctgg agtctaaatt ggacnacnac 300
 ctntgtatgtt actgttggan ttttgatgct gcatgacaga ttttgcttan tgtaaaaatn 360
 aagttcaaga aaattatggt agttttggcc attat 395

<210> 16
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

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 nagggcacac cctttaagtn aggtgacagg tcacctttaa gtgaggacag tcagctnaat 120
 ttcacctctt gggcttgagt acctggttct cgtgccctga ggcgacnctn agccctgcag 180
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 tgccctgct tctcaaggag ggggtgtggg ttcctccacc atcgccgccc ttgcaaacac 360
 ntctcanggc ttccctnccg gctnancgca ngacttaagc atgg 404

<210> 17
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 17
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 gctggcagca gctgctatct ngatngacng cagaaaccaa ccactaatc agcaaacaca 120
 acctcatacc tnaccgcttc cctttnaatg gccttcggtg tgtgcgcaca tgggcacgtg 180
 cggggagaac catacttatt cccctnttcc cggcctacca cctctnctcc cccttctctt 240

ctctncaatt actntctecn ctgctttntt ctnanacta ctgctngtnt cnanagccng 300
 cccgcaatta cctggcaaaa ctgcgcaccc ttcgggcagc gctaaanaat gcacatttac 360

<210> 18
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 18
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 tgtgtgtata tgtatgtgtc tactcatttt aaataaactt gtgatagaga tgtaattntg 120
 agccagtttt tcatttgctt aaatnactca ccaagtaact aattaagttt tctttactct 180
 taatgttnag tagtgagatt ctggtgaagg tgatattaaa aaccattcta tattaattaa 240
 cattcatgtt gttttttaaa agcttatttg aaatcnaatt atgattattt ttcataccag 300
 tcgatnttat gtangt 316

<210> 19
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 19
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 tactattgaa catgctnngg ctcggtcacg aggtggaaga ggtagaggac gatactctga 120
 ccgttttagt agtcgcagac ctcgaaatga tagacgaaat gctccacctg taagaacaga 180
 anacgtctt atagttgaga atttatcctc aagagtcagc tggcagggtt gttganatac 240
 agttttgagt tnttttgatg tggcttttta aaaaagttat gggttactna tgttatattg 300
 ttttattaaa agtagttttn aattaatgga tntgatggaa ttggtgtttt 350

<210> 20
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 20
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 ncaattntga cctnnggcga anaatggcng nngtgatca gtntccnctc tgnngnctct 180
 tagnatctga ccactangac cncctatcct ctcaaaccct gtannengcc ctaatttggtg 240
 ccaattagtg catgntanag cntcctggcc cagatggent ccatatcctg gtnccggcttc 300
 cggccctacc angncatcen catctactag agcttatccg ctncntgngg cgcaccggnt 360
 ccccnct 367

<210> 21
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 21
 cccaacacaa tgggtctaagt anaactgtat tgctctgtag tatagttcca cattggcaac 60
 ctacaatggg aaaatccata cataagtcag ttacttcctn atgagcttcc tccttctgaa 120
 tcctttatct tctgaagaaa gtacacacct tggtnatgat atctttgaat tgcccttctt 180
 tccaggcatc agttggatga ttcacatggt taattatggc attatcatat tcttcatact 240
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 tgggaatatt cactctagac cagaaacagc tcccgggtgct ccctcatttt ctgaggctta 360
 aatttn 366

<210> 22
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 22
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 gaagaaatna ctgggtgnata tttcaatatt ttagaacttt aanaatgttg actatgattt 120
 caatatattt gtnaaaactg agatacangt ttgacctata tctgcatttt gataattaaa 180
 cnaatnnatt ctatttnaat gttgtttcag agtcacagca cagactgaaa ctttttttga 240
 atacctnaat atcacacttn tncttnnaat gatgttgaag acaatgatga catgccttna 300
 gcatataatg tcgac 315

<210> 23
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 23
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 ttaaaaattc ccaagagaaa naaactccag gccctgattg tttcactggg gaattttacc 120
 aaatgttnca nnaaganatg acgctgattc tgnaaatct ttttcagaag atagaggaga 180
 acaccaccg nttcatttta tg 202

<210> 24
 <211> 365
 <212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 24

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ggattttcttg ccctttttctc ccttttttaag tatcaatgta tgaaatccac ctgtaccacc 60
ctttctgcca tacaacegct accacatctg gtccttagaa cctgttttgc tttcatagat 120
ggatctcgga accnagtgtt nacttcattt ttaaacccca ttttagcaga tngtttgctn 180
tggctctgtct gtattcacca tggggcctgt acacaccacg tgtgggtata gtcaaacaca 240
gtgccctcca ttgtggccac atgggagacc catnaccna tactgcaccc tgggctgatn 300
acggcactgc atctnaccgc acntgggatt gaaccggggg tgggcagcng aattgaacag 360
gatca

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<210> 25

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 25

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gtttcctgct tcaacagtgc ttggacggaa cccggcgctc gttccccacc ccggccggcc 60
gcccatagcc agccctccgt cacctcttca ccgcaccctc ggactgcccc aaggcccccg 120
ccgcncctcc ngegcncgc agccaccgcc gccnccncca cctctccttn gtccgcctt 180
nacaacgcgt ccacctcgca ngttcgccng aactaccacc nggactcata ngccgcctc 240
aaccgcccga tcaacctgga gctctncccc ccgaacntaa cctttccntg tcttacttac 300
nttaaccgcc gnttattttg ctnaaaaaga acttttcccc aatactttct ttcaccnnt 359

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<210> 26

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 26

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agtgaacag tatatgtgaa aaggagtttg tgannagcta cataaaaaata ttagatatct 60
ttataatttc caataggata ctcatcagtt ttgaataana gacatattct agagaaacca 120
ggtttctggt ttcagatttg aactctcaag agcttgggaag ttatcactcc catcctcacg 180
acnacnaana aatctnaacn aacngaana caatgacttt tcttagatct gtcaaagaac 240
ttcagccacg aggaaaacta tcnccctnaa tactggggac tggaaagaga gggtagacag 300
aatcacagt aatcatagcc caagatcagc ttgcccgag ctnaagctng tacgatnatt 360
acttacaggg accacttcac agtnngtnga tnaantgcn 400

```

<210> 27

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 27

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gaattttctta gaaactgaag tttactctgt tccaagatat atcttcactg tcttaaatcaa 60
agggcgctng aatcatagca aatattctca tctttcaact aactttaagt agtntcctg 120
gaattttaca ttttccagaa aacactcctt tctgtatctg tgaaagaaag tgtgcctcag 180
gctgtagact gggctgcact ggacacctgc gggggactct ggctnagtgn ggacatggtc 240
agtattgatt ttcctcanac tcagcctgtg tagctntgaa agcatggaac agattacact 300
gcagttnacg tcatcccaca catcttggac tccnagaccc ggggagggtca catagtccgt 360
tatgna
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<210> 28

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 28

Alt

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ggaagtggcc agctgcagcg cctcctgcag gcagccaacg ttcttgctg tggcctgtgc 120
agacacatcc ttgccaccac ctttaccgtc catcangcct gacacctgct gcaccactc 180
gctngctttt aagccccgat nggctgcatt ctgggggact tgacacaggc ncgtgatctt 240
gccagcctca ttgtccaccg tgaagagcat ggcaaaaagt ctgaggggag tgcattctga 300
anagcttcaa ggcttcattc agggccttng ctnaggcgcc nctctccatc tccnggaata 360
acnagaggct ggtnnnggtn actntcaata aactgcttcg tc 402
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<210> 29

<211> 175

<212> DNA

<213> Homo sapiens

<400> 29

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eggacgggca tgaccggtcc ggtcagctgg gtggccagtt tcagttcttc agcagaactg 60
tctcccttct tgggggcca gggcttctg ggggaagagga tgagtttgga gcgtactcc 120
ttcagccgct gcacgttggc ctgcaggagc tccgtggact tgttccgcct cctcg 175
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<210> 30

<211> 360

<212> DNA

<213> Homo sapiens

<400> 30

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ttgtatttct tatgatctct gatgggttct tctcgaaaat gccaaagtga agactttgtg 60
gcatgtcca gattttaaact cagctgaggc tccctttgtt ttcagttcca tgtaacaatc 120
tggaaggaaa cttcacggac aggaagactg ctggagaaga gaagcgtgtt agcccatttg 180
aggtctgggg aatcatgtaa agggtaacca gacctcactt ttagttattt acatcaatga 240
gttctttcag ggaaccaaac ccagaattcg gtgcaaaagc caaacatctt ggtgggattt 300
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gataaatgcc ttgggacctg gagtgctggg cttgtgcaca ggaagagcac cagccgctga 360

<210> 31
 <211> 380
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 31
 acgctctaag cctgtccacg agctcaatag ggaagcctgt gatgactaca gactttgcga 60
 acgctacgcc atggtttatg gatacaatgc tgcctataa cgtacttca ggaagcgccg 120
 agggaccnaa tgagactgag ggaagaaaaa aaatctcttt ttttctggag gctggcacct 180
 gattttgtat cccctgttnn cagcattncn gaaatacata ggcttatata caatgcttct 240
 ttctgtata ttctcttgtc tggtgcacc ccttnttccc gccccagat tgataagtaa 300
 tgaaagtga ctgcagtnag ggtcaangga gactcancat atgtgattgt tccntnataa 360
 acttctggtg tgatactttc 380

<210> 32
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 32
 gtgtatggga gcccctgact cctcacgtgc ctgatctgtg cccttggtcc caggctcaggc 60
 ccacccctg cacctccacc tgccccagcc cctgcctctg cccaagtgg ggccagctgc 120
 cctcacttct ggggtggatg atgtgacctt cctnggggga ctgcggaagg gacaagggtt 180
 ccctgaagtc ttacggtcca acatcaggac caagtccat ggacatgctg acagggtccc 240
 caggggagac cgtntcanta gggatgtgtg cctggctgtg tacgtgggtg tgcagtgcac 300
 gtganaagca cgtggcggct tctgggggcc atgtttgggg aagggaagtgt gccnccacc 360
 cttggagaac ctcaagtccn gtagccccct gccctggcac agcngcatnc acttcaaggg 420
 cacccttttg gggttggggt 440

<210> 33
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 33
 tattttaaca atgtttatta ttcatattat cctctataga accaccaccc acaccgagga 60
 gattatttgg agtgggtccc aacctagggc ctggactctg aaatctaact cccacttcc 120
 ctcatattgt gacttaggtg ggggcatggt tcagtcagaa ctgggtgtct ctattggatc 180
 gtgcagaagg aggacctagg cacacacata tgggtggccac acccaggagg gttgattggc 240
 aggctggaag acaaaagtct cccaataaag gcacttttac ctcaaagang ggggtgggagt 300

tggtctgctg ggaatgttgt tgttgggggtg gggaagantt atttc

345

<210> 34
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 34
 tgtaattttt ttattggaaa acaaataac aacttggaat ggattttgag gcaaattgtg 60
 ccataagcag attttaagt gctaaacaaa gtttaaaaag caagtaacaa taaaagaaaa 120
 tgtttctggt acaggaccag cagtacaaaa aaatagtgtg cgagtacctg gataatacac 180
 ccgttttgca atagtgcac ttttaagtac atattgttga ctgtccatag tccacgcaga 240
 gttacaactc cacacttcaa caacaacatg ctgacagttc ctaaagaaaa ctactttaaa 300
 aaaggcataa cccagatgtt ccttcatttg accaactcca tctnagttta gatgtgcaga 360
 agggcttana ttttcccaga gtaagccnca tgcaacatgt tacttgatca attttctaaa 420
 ataaggtttt aggacaatga 440

<210> 35
 <211> 540
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 35
 atagatggaa tttattaagc ttttcacatg tgatagcaca tagttttaat tgcattccaa 60
 gtactaacia aaactctagc aatcaagaat ggcagcatgt tattttataa caatcaacac 120
 ctgtggcttt taaaatttgg ttttcataag ataatttata ctgaagtaaa tctagccatg 180
 cttttaaaaa atgcttttag tcaactccaag cttggcagtt aacatttggc ataaacaata 240
 ataaaaaat cacaatttaa taaataacia atacaacatt gtaggccata atcatataca 300
 gtataaggga aaagggtgta gtgttganta agcagttatt agaatagaat accttggcct 360
 ctatgcaaat atgtctagac actttgattc actcagccct gacattcagt tttcaaagtt 420
 aggaaacagg ttctacagta tcattttaca gtttccaaca cattgaaaac aagtagaaaa 480
 tgatganttg atttttatta atgcattaca tcttcaagan ttatcaccaa cccctcaggt 540

<210> 36
 <211> 555
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 36
 cttcgtgtgc ttgaaaattg gaggctgccc ctgcggcccat aagcccttgt tgggaactga 60
 gaagtgtata tggggcccaa nctactggtg ccagaacaca gagacagcag cccantgcaa 120
 tgctgtcgag cattgcaaac gccatgtgtg gaactaggag gaggaatatt ccatcttggc 180

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agaaaccaca gcattggttt ttttctactt gtgtgtcttg gggaatgaac gcacagatct 240
gtttgacttt gttataaaaa tagggctccc ccacctcccc cntttctgtg tncctttattg 300
tagcantgct gtctgcaagg gagccccctan cccctggcag acanancctgc ttcagtggccc 360
ctttcctctc tgctaaatgg atgttgatgc actggaggtc ttttancctg cccttgcattg 420
gcncctgctg gaggaagana aaactctgct ggcatgaccc acagtttctt gaotggangc 480
cntcaaccct cttgggttgaa gccttgttct gacctgaca tntgcttggg cncctgggtng 540
gnctgggctt ctnaa 555

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<210> 37
<211> 280
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Where n is unknown for all occurrences

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<400> 37
ccaccgacta taagaactat gccctcgtgt attcctgtac ctgcatcatc caactttttc 60
acgtggattt tgcttggate ttggcaagaa accctaactc cctccagaa acagtggact 120
ctctaaaaaa taccctgact tctaataaca ttgatntcaa gaaaatgacg gtcacagacc 180
aggtgaactg ccccnagctc tcgtaaccag gttctacagg gaggtgcac cactccatg 240
ttnccttctg ttogettttc cctacccccc ccccgccat 280

```

AI
wt

```

<210> 38
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Where n is unknown for all occurrences

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```

<400> 38
catcgagctg gttgtcttct tgccctgccct gtgtcgtaaa atgggggtcc cttactgcat 60
tatcaaggga aaggcaagac tgggacgtct agtccacagg aagacctgca cactgtcgc 120
cttcacacag gtgaactcgg aagacaaagg cgctttggct nagctggtgn aagctatcag 180
gaccaattac aatgaatgat acgatnagat ccgccttcac tggggtagca atgtcctggg 240
tcctaagtct gtggctcgta tcgcnagct cgaanaggcn aangctaaag aacttgccac 300
taa 303

```

```

<210> 39
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Where n is unknown for all occurrences

```

```

<400> 39
gactcagcgg ctggtgctct tcctgtgcac aagccagca ctccaggctc caaggcattt 60
atcaaatccc accaagatnt ttggcttttg caccgaattc tgggtttggg tccctnaaag 120
aactcattga tgtaaatnac tnaaagttag gtctgggtac cctttacatg attccccaga 180

```

cctcanatgg gctaacacgc ttctcttctc cagcagtctt cctntccgtg aagttacctt 240
ccagattggtt acatggaact gaanacaaag ggagcctcag ctngatttaa atctggagca 300

<210> 40
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 40
cccaacacaa tggctgagga caaatcagtt ctctgtgacc agacatgaga aggttgccaa 60
tgggctgttg ggcgaccaag gccttcccgg agtcttcgtc ctctatgagc tctcgcccat 120
gatggtgaag ctgacggaga agcacaggtc cttcaccacac ttcttgacag gtgtgtgcgc 180
catcattggg ggcattgttca cagtggctgg actcatcgat tcgctcatct accactcagc 240
acgagccatc cagaaaaaaa ttgatctngg gaagacnacg tagtcaccct cggtncttcc 300
tctgtctcct ctttctcc 318

<210> 41
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 41
acttagatgg ggtccgttca ggggatacca gcgttcacat ttttcctttt aagaaaggg 60
cttggcctga atgttcccca tccggacaca ggctgcatgt ctctgtnagt gtcaaagctg 120
ccatnaccat ctcggttaacc tactcttact ccacaatgtc tatnttcaact gcagggctct 180
ataatnagtc cataatgtaa atgcctggcc caagacntat ggctgagtt tatccnaggc 240
ccaaacnatt accagacatt cctcttanat tgaaaacgga tntctttccc ttggcaaaga 300
tc 302

<210> 42
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<223> Where n is unknown for all occurrences

<400> 42
cttaataagt ttaaggccaa ggcccgttcc attcttctag caactgacgt tgccagccga 60
ggtttgagca tacctcatgt aaatgtgggt gtcaactttg acattcctac ccattccaag 120
gattacatcc atcgagtagg tcgaacagct agagctgggc gctccggaaa ggctattact 180
tttgtcacac agtatgatgt ggaactcttc cagcgcatag aacacttnat tgggaagaaa 240
ctaccagggt ttccaacaca ggatgatgag gttatgatgc tnacggaacg cgtcgctna 299

<210> 43

<211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 43
 ccaacaatgt caagacagcc gtctgtgaca tcccacctcg tggcctcaan atggcagtca 60
 ccttcattgg caatagcaca gccntccggg agctcttcaa gcgcatctcg gagcagttca 120
 ctgccatgtt ccgccggaag gccttcctcc actggtacac aggcgagggc atggacaaga 180
 tggagttcac cgaggctgag agcaacatga acgacctcgt ctctnagtat cagcagtacc 240
 gggatgccac cgcagaaana ggaggaggat ttcggttagg aggccgaaga aggaggcctg 300
 aggca 305

<210> 44
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 44
 tttctgtggg ggaaacctga tctcgacnaa attagagaat tttgtcagcg gtatttcggc 60
 tggaacagaa cgaaaacnga tnaatctctg tttcctgtat taaagcaact cgatncccag 120
 cagacacagc tccnaattga ttccttcttt ngattagcac aacagggaga aagaanatgc 180
 ttaacgtatt aagagccnga gactaaacag agctttgaca tgtatgctta ggaaagagaa 240
 agaagcagcn gccgcgnaa ttngaagcng tttctgttgc cntgganaaa gaatttgagc 300
 ttctttatta ggccaacgaa aaaccccgaa ananaggcnt tacnatacct tngaaaantc 360
 tccngccnna aaaagaaaga agctttcnga ttcttaacc 399

<210> 45
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 45
 gcgggagcag aagctaaagc caaagcccaa gagagtggca gtgccagcac tgggtgccagt 60
 accagtacca ataacagtgc cagtgccagt gccagcacca gtggtggcctt cagtgtctggt 120
 gccagcctga ccgccactct cacatttggg ctcttcgctg gccttgggtg agctgggtgcc 180
 agcaccagtg gcagctctgg tgcctgtggt ttctcctaca agtgagattt taggtatctg 240
 ccttggtttc agtggggaca tctggggcctt anggggcngg gataaggagc tggatgattc 300
 taggaaggcc cangttggag aangatgtgn anagtgtgcc aagacactgc ttttggcatt 360
 ttattccttt ctgtttgctg gangtcaatt gacccttnna ntttctctta cttgtgtttt 420
 canatatngt taatcctgcc 440

<210> 46

<211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 46
 gctctgtaat ttcacatttt aaaccttccc ttgacctcac attcctcttc ggccacctct 60
 gtttctctgt tctcttcac agcaaaaact gttcaaaaga gttgttgatt actttcattt 120
 ccactttctc acccccatte tcccctcaat taactctcct tcatcccat gatgccatta 180
 tgtggctntt attanagtc ccaaccttat tctccaaaac anaagcaaca aggactttga 240
 cttctcagca gcactcagct ctggtncttg aaacaccccc gttacttgct attcctccta 300
 cctcataaca atctccttcc cagcctctac tgetgccttc tctgagttct tcccagggtc 360
 ctaggctcag atgtagtgt gctcaaccct gctacacaaa gnaatctcct gaaagcctgt 420
 aaaaatgtcc atnctgtgcc tgtgagtgt ctnccangna naataacaaa tt 472

<210> 47
 <211> 550
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

AK
 <400> 47
 ccttcctccg cctggccatc cccagcatgc tcatgctgtg catggagtgg tgggcctatg 60
 aggtcgggag cttcctcagt ggtctgtatg aggatggatg acggggactg gtgggaacct 120
 gggggccctg tctgggtgca aggcgacagc tgtctttctt caccaggcat cctcggcatg 180
 gtggagctgg gcgctcagtc catcgtgtat gaactggcca tcattgtgta catggtcctt 240
 gcaggcttca gtgtggctgc cagtgtccgg gtangaaacg ctctgggtgc tggagacatg 300
 gaagcaggca cggaagtcc ctaccgtttc cctgctgatt acagtgcctt ttgctgtanc 360
 cttcagtgtc ctgctgttaa gctgtaagga tcacntgggg tacattttta ctaccgaccg 420
 agaacatcat taatctggtg gctcaggtgg ttccaattta tgetgtttcc cacctctttg 480
 aagctcttgc tgctcaggt cagccaatt ttgaaaagta aacaacgtgc ctcggagtgg 540
 gaattctgct 550

<210> 48
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 48
 agaaggacat aaacaagctg aacctgccca agacgtgtga tatcagcttc tcagatccag 60
 acaacctcct caacttcaag ctggctcatct gtcctgatna gggcttctac nagagtggga 120
 agtttgtgtt cagttttaag gtgggcccagg gttaccgca tgatcccccc aaggtgaagt 180
 gtgagacnat ggtctatcac cccnacattg acct 214

<210> 49
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 49
 atctgcctaa aattttattca aataatgaaa atnaatctgt ttttaagaaat tcagtctttt 60
 agtttttagg acaactatgc acaaatgtac gatggagaat tctttttgga tnaactctag 120
 gtngaggaac ttaatccaac cggagctntt gtgaagggtca gaanacagga gaggggaatct 180
 tggcaaggaa tggagacnga gtttgcaa atgcagctaga gtnaatngtt ntaaatggga 240
 ctgctnttgt gtctcccgang gaaagtt 267

<210> 50
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 50
 gactgggtca aagctgcatg aaaccaggcc ctggcagcaa cctgggaatg gctggaggtg 60
 ggagagaacc tgacttctct ttcctctctc ctctctcaac attactggaa ctctgtcctg 120
 ttgggatctt ctgagcttgt ttcctgctg ggtgggacag aggacaaagg agaagggagg 180
 gtctagaaga ggcagccctt ctttgtctc tggggtnaat gagcttgacc tanagtagat 240
 ggagagacca anagcctctg atttttaatt tccataanat gttcnaagta tatntntacc 300

<210> 51
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 51
 gggtaaaatc ctgcagcacc cactctggaa aatactgctc ttaattttcc tgaagggtggc 60
 cccctatttc tagttggtcc aggattaggg atgtggggta tagggcattt aaatcctctc 120
 aagegctctc caagcaccac cggcctgggg gtnagtttct catcccgcta ctgctgctgg 180
 gatcaggttn aataaatgga actcttctct tctggcctcc aaagcagcct aaaaactgag 240
 gggctctggt agaggggacc tccaccctnn ggaagtccga ggggctnggg aagggtttct 300

<210> 52
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 52

```

aaaatcaact tcntgcatta atanacanat tctanancag gaagtgaana taatcttctg 60
cacctatcaa ggaacnnact tgattgcctc tattnaacan atatatcgag ttncctatact 120
tacctgaata ccnccgcata actctcaacc nanatnctc nccatgacac tcnttcttna 180
atgctantcc cgaattcttc atttatatcng tgatgttcgn cctgntnata tatcagcaag 240
gtatgtncn taactgccga nncaang 267

```

<210> 53

<211> 401

<212> DNA

<213> Homo sapiens

<400> 53

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agsccttagc atcatgtaga agcaaactgc acctatggct gagataggtg caatgaccta 60
caagatcttg tgctttctag ctgtccagga aaagccatct tcagtcttgc tgacagtcaa 120
agagcaagtg aaaccatttc cagcctaaac tacataaaaag cagccgaacc aatgattaaa 180
gacctctaag gctccataat catcattaaa tatgcccata ctcattgtga ctttttattt 240
tatatacagg attaaaatca acattaaatc atcttattta catggccatc ggtgctgaaa 300
ttgagcattt taaatagtag agtaggctgg tatacattag gaaatggact gcactggagg 360
caaatagaaa actaaagaaa ttagataggc tggaaatgct t 401

```

<210> 54

<211> 401

<212> DNA

<213> Homo sapiens

<400> 54

```

cccaacacaa tggataaaaa cacttatagt aaatggggac attcactata atgatctaag 60
aagctacaga ttgtcatagt tgctttcctg ctttacaaaa ttgtccaga tctggaatgc 120
cagtttgacc tttgtcttct ataatatctt ctttttttcc cctctttgaa tctctgtata 180
tttgattctt aactaaaatt gttctcttaa atattctgaa tcttggtaat taaaagtttg 240
ggtgtatttt ctttacctcc aaggaaagaa ctactagcta caaaaaatat tttggaataa 300
gcattgtttt ggtataaggt acatattttg gttgaagaca ccagactgaa gtaaacagct 360
gtgcatccaa tttattatag ttttgtaagt aacaatatgt a 401

```

<210> 55

<211> 933

<212> DNA

<213> Homo sapiens

<400> 55

```

tttactgctt ggcaaagtac cctgagcatc agcagagatg ccgagatgaa atcagggaac 60
tcttagggga tgggtcttct attacctggg aacacctgag ccagatgcct tacaccacga 120
tgtgcatcaa ggaatgcctc cgctctacg caccggtagt aaactatccc gggtactoga 180
caaaccatc acctttccag atggacgctc cttacctgca ggaataactg tgtttatcaa 240
tatttgggt cttcaccaca accctattt ctgggaagac cctcaggtct ttaaccctt 300
gagattctcc agggaaaatt ctgaaaaat acatccctat gccttcatac cattctcagc 360
tggtattaagg aactgcattg ggcagcattt tgccataatt gagtgtaaag tggcagtggc 420
attaactctg ctccgcttca agctggctcc agaccactca aggccacca gctgtcgtca 480

```

```

agttgcctca agtccaagaa tggaatccat gtgtttgcaa aaaaagtttg ctaattttaa 540
gtccttttctg tataagaatt aakgagacaa ttttcctacc aaaggaagaa caaaaggata 600
aatataatac aaaatatatg tatatggttg tttgacaaat tatataactt aggatacttc 660
tgactggttt tgacatccat taacagtaat ttttaatttct ttgctgtatc tggtgaaacc 720
cacaaaaaca cctgaaaaaa ctcaagctga gttccaatgc gaagggaaat gattggtttg 780
ggtaactagt ggtagagtgg ctttcaagca tagtttgatc aaaactccac tcagtatctg 840
cattactttt atctctgcaa atatctgcat gatagcttta ttctcagtta tctttcccca 900
taataaaaaa tatctgcaa aaaaaaaaaa aaa 933

```

```

<210> 56
<211> 480
<212> DNA
<213> Homo sapiens

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```

<400> 56
ggctttgaag cttttttgtc tgtgctccct gatcttcagg tcaccaccat gaagttctta 60
gcagtcctgg tactcttggg agtttccatc tttctggtct ctgccagaa tccgacaaca 120
gctgctccag ctgacacgta tccagctact ggtcctgctg atgatgaagc ccctgatgct 180
gaaaccactg ctgctgcaac cactgcgacc actgctgctc ctaccactgc aaccaccgct 240
gcttctacca ctgctcgtaa agacattcca gttttaccca aatgggttgg ggatctcccg 300
aatggtagag tgtgtccctg agatggaatc agcttgagtc ttctgcaatt ggtcacaact 360
attcatgctt cctgtgattt catccaacta cttaccttgc ctacgatatc ccctttatct 420
ctaatacagtt tattttcttt caaataaaaa ataactatga gcaacaaaaa aaaaaaaaaa 480

```

4h

```

<210> 57
<211> 798
<212> DNA
<213> Homo sapiens

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```

<400> 57
agcctacctg gaaagccaac cagtccctcat aatggacaag atccaccagc tcctcctgtg 60
gactaacttt gtgatatggg aagtgaatat agttaacacc ttgcacgacc aaacgaacga 120
agatgaccag agtactctta accccttaga actgttttct cttttgtatc tgcaatatgg 180
gatggatttg ttttcatgag cttctagaaa tttcacttgc aagtttattt ttgcttcctg 240
tgttactgcc attcctatatt acagtatatt tgagtgaatg attatatttt taaaaagtta 300
catggggctt ttttggttgt cctaaactta caaacattcc actcattctg tttgtaactg 360
tgattataat ttttgtgata atttctggcc tgattgaagg aaatttgaga ggtctgcatt 420
tatatatatt aaatagattt gataggtttt taaattgctt tttttcataa ggtatttata 480
aagttatttg ggttgtcttg ggatttgttg aaagaaaatt agaaccccg cgtatttaca 540
tttaccttgg tagtttatatt gtggatggca gttttctgta gttttgggga ctgtggtagc 600
tcttgatttg ttttgcaaat tacagctgaa atctgtgtca tggattaaac tggcttatgt 660
ggctagaata ggaagagaga aaaaatgaaa tgggtgttta ctaattttat actcccatta 720
aaaattttta atgttaagaa aaccttaaat aaacatgatt gatcaatatg gaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa 798

```

```

<210> 58
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<400> 58

```

```

ggggcagctc ctgaccctcc acagccacct ggtcagccac cagctggggc aacgaggggtg 60
gaggtcccac tgagcctctc gctgcccccc gccactcgtc tgggtgcttgt tgatccaagt 120
ccccctgctg gtccccccaca aggactccca tccaggcccc ctctgccctg ccccttgtca 180
tggaccatgg tcgtgaggaa gggctcatgc cccttattta tgggaaccat ttcattctaa 240
cagaataaac cgagaaggaa accagaaaaa aaaaaaaaaa 280

```

```

<210> 59
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 59
aggcgggagc agaagctaaa gccaaagccc aagagagtgg cagtgccagc actggtgcca 60
gtaccagtac caataacagt gccagtgccca gtgccagcac cagtgggtggc ttcagtgctg 120
gtgccagcct gaccgccact ctcacatttg ggctcttcgc tggccttggg ggagctgggtg 180
ccagcaccag tggcagctct ggtgcctgtg gtttctccta caagtgagat tttagatatt 240
gttaatcctg ccagtctttc tcttcaagcc aggggtgcac ctcagaaacc tactcaacac 300
agcactctag gcagccacta tcaatcaatt gaagttgaca ctctgcatta aatctatttg 360
ccattaaaaa aaaaaaaaaa aa 382

```

```

<210> 60
<211> 602
<212> DNA
<213> Homo sapiens

```

A1
nt

```

<400> 60
tgaagagccg cgcggtggag ctgctgcccc atgggactgc caaccttgcc aagctgcagc 60
ttgtggtgga gaatagtgcc cagcgggtca tccacttggc gggtcagtgg gagaagcacc 120
gggtcccatc ctctgtagta ccgccactcc gaaagctgca ggattgcaga gagctggaat 180
cttctcgacg gctggcagag atccaagaac tgcaccagag tgtccgggcg gctgctgaag 240
aggccccgag gaaggaggag gtctataagc agctgatgtc agagctggag actctgcccc 300
gagatgtgtc cggctgggcc tacaccagc gcctcctgga gatcgtgggc aacatccgga 360
agcagaagga agagatcacc aagatcttgt ctgatacgaa ggagcttcag aaggaaatca 420
actccctatc tgggaagctg gaccggacgt ttgcggtgac tgatgagctt gtgttcaagg 480
atgccaaaga ggacgatgct gttcggaaag cctataagta tctagctgct ctgcacgaga 540
actgcagcca gctcatccag accatcgagg acacaggcac catcatgcgg gaggttcgag 600
ac 602

```

```

<210> 61
<211> 1368
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Where n is unknown for all occurrences

```

```

<400> 61
ccagtgagcg cgcgtaatac gactcactat agggcgaatt gggtagccgg cccccctcg 60
agcggccgcc cttttttttt tttttttatt gatcagaatt caggctttat tattgagcaa 120
tgaaaacagc taaaacttaa ttccaagcat gtgtagttaa agtttgcaaa gtgggatatt 180
gttcacaaaa cacattcaat gtttaaacac tatttatttg aagaacaaaa tatatttaaa 240

```

```

attgtttgct tctaaaaagc ccatttcctt ccaagtctaa actttgtaat ttgatattaa 300
gcaatgaagt tattttgtac aatctagtta aacaagcaga atagcactag gcagaataaa 360
aaattgcaca gacgtatgca attttccaag atagcattct ttaaattcag ttttcagctt 420
ccaaagattg gttgcccata atagacttaa acatataatg atggctaaaa aaaataagta 480
tacgaaaatg taaaaaagga aatgtaagtc cactctcaat ctcataaaaag gtgagagtaa 540
ggatgctaaa gcaaaataaa ttagagttct ttttttctgt ttccgtttat catgcaatct 600
gcttctttga tatgccttag ggttacccat ttaagttaga ggttgtaatg caatggtggg 660
aatgaaaatt gatcaaatat acaccttgct atttcatttc aaattgcggg ctggaaactt 720
ccaaaaaaag ggtaggcatg aagaaaaaaa aaatcmaatc agaacctctt caggggtttg 780
kgktctgata tggcagacar gatacaagtc ccaccaggag atggagcaat tcaaaataag 840
ggtaatgggc tgacaaggta ttattgccag catgggacag aatgagcaac aggctgaaaa 900
gtttttggat tatatagcac ctagagtctc tgatgtaggg aatttttgtt agtcaaact 960
acgctaaact tccaagggaa aatctttcag gtacgctaag cttgcttttc tagagtgtg 1020
agttgcattg ctactgtgat tttttgaaaa caaactgggt ttgtacaagt gagaaagact 1080
agagagaaaag attttagtct gtttagcaga agccatttta tctgcgtgca catggatcaa 1140
tatttctgat cccctatacc ccaggaaggg caaaatccca aagaaatgtg ttagcaaaat 1200
tggctgatgc tatcatattg ctatggacat tgatcttgcc caacacaatg gaattccacc 1260
acactggact agtggatcca ctagttctag agcgccgggc caccgcggtg gagctccagc 1320
ttttgttccc tttagtgagg gttaattgcg cgcttggcgt aatcatnn 1368

```

<210> 62

<211> 924

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 62

Al
w

```

caaaggnaca ggaacagctt gnaaagtact gncatnccn cctgcaggga ccagcccttt 60
gcctccaaaa gcaataggaa atttaaaaga tttncactga gaaggggncc acgttttnt 120
tnnaatgtn tcargnanar tnccttncaa atgnrcnctn cactnactnr gnatttgggt 180
tnccgnrtn mgnactatnt caggtttgaa aaactggatc tgccacttat cagttatgtg 240
accttaaaga actccgttaa tttctcagag cctcagtttc cttgtctata agttgggagt 300
aatattaata ctatcatttt tccaaggatt gatgtgaaca ttaatgagggt gaaatgacag 360
atgtgtatca tggttcctaa taaacatcca aaatatagta cttactattg tcattattat 420
tacttgtttg aagctaaaga cctcacaata gaatcccatc cagcccacca gacagagyt 480
tgagttttct agtttggaag agctattaaa taacaacktc tagtgtcaat tctatacttg 540
ttatgggtcaa gtaactgggc tcagcatttt acattcattg tctctttaag ttctagcaat 600
gtgaagcagg aactatgatt atattgacta cataaatgaa gaaattgagg ctgagataca 660
ttaagtaatt ctcccagggt cacacagcta gaactggcaa agcctgggat tgatccatga 720
tcttcagca ttgaagaatc ataaatgtaa ataactgcaa ggccttttcc tcagaagagc 780
tcttggtgct tgcaccaacc cactagcact tgttctctac aggggaacat ctgtgggcct 840
gggaatcact gcacgtcgca agagatgttg cttctgatga attattgttc ctgtcagttg 900
tgtgaaggca aaaaaaaaaa aaaa 924

```

<210> 63

<211> 1079

<212> DNA

<213> Homo sapiens

<400> 63

```

agtcccaaga actcaataat ctcttatgtt ttcttttgaa gacttatttt aaatattaac 60
tatttcggtg cctgaatgga aaaatataaa cattagctca gagacaatgg ggtacctgtt 120
tggaatccag ctggcagcta taagcacctg tgaaaactct gacaggcttt gtgccctttt 180
tattaaatgg cctcacatcc tgaatgcagg aatgtgttcg tttaaataaa cattaatctt 240
taatgttgaa ttctgaaaac acaaccataa atcatagttg gtttttctgt gacaatgatc 300
tagtacatta tttcctccac agcaaacctt ctttccaga aggtggaaat tgtatttgca 360
acaatcaggg caaaacccac acttgaaaag cattttacaa tattatatct aagttgcaca 420
gaagacccca gtgatcacta ggaaatctac cacagtccag tttttctaata ccaagaaggt 480
caaacttcgg ggaataatgt gtccctcttc tgctgctgct ctgaaaaata ttcgatcaaa 540
acgaagttaa caagcagcag ttattccaag attagagttc atttgtgtat cccatgtata 600
ctggcaatgt ttaggtttgc ccaaaaactc ccagacatcc acaatgttgt tgggtaaac 660
accacatctg gtaacctctc gatcccttag atttgtatct cctgcaaata taactgtagc 720
tgactctgga gctcttgca ttttctttaa aaccattttt aactgattca ttcgttccgc 780
agcatgccct ctggtgctct ccaaaggga tgctataagg caaagctcat ttctgacac 840
attcacatgc acacataaaa gggttctcat catttttgga cttggaaaag gaataatctc 900
ttggcttttt aatttcaact ttgatttctt caacattata gctgtgaaat atccttcttc 960
atgacctgta ataatctcat aattacttga tctcttcttt aggtagctat aatatggggg 1020
aataacttcc tgtagaaata tcacatctgg gctgtacaaa gctaagtagg aacacacc 1079

```

<210> 64

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 64

41

```

gaatgtgcaa cgatcaagtc agggatatctg tggatccac cactttgagc atttatcgat 60
tctatatgtc aggaacattt caagtatatc gttctagcaa ggaaatataa aatacttata 120
gttaactatg gcctatctac agtgcaacta aaaactagat ttatttctt tccacctgtg 180
ggtttgtatt catttaccac cctcttttca ttccctttct caccacaca ctgtgccggg 240
cctcaggcat atactattct actgtctgtc tctgtaagga ttatcatttt agcttccaca 300
tatgagagaa tgcattgcaa gtttttcttt ccatgtctgg cttatttcac ttaacataat 360
gacctccgct tccatccatg ttatttatat taccatagat tggtcataaa tatatataca 420
cacatatata ccacattgca tttgtccaat tattcattga cggaaactgg ttaatgttat 480
atcgttgcta ttgtggatag tgctgcaata aacacgcaag tggggatata atttgaagag 540
tttttttgtt gatgttcttc caaattttta gattgttttg tctatgtttg tgaaaatggc 600
gttagtattt tcatagagat tgcattgaat ctgtagattg ctttgggtaa gtatggttat 660
tttgatggta ttaatttttt cattccatga agatgagatg tctttccatt gtttgtgtcc 720
tctacatttt ctttcatcaa agttttgttg tatttttgaa gtagatgtat ttcaccttat 780
agatcaagtg tattccctaa atattttatt tttgtagcta ttgtagatga aattgccttc 840
ttgatttctt tttcacttaa ttcattatta gtgtatggaa atgttatgga tttttatttg 900
ttggttttta atcaaaaact gtattaaact tagagttttt tgtggagttt ttaagttttt 960
ctagatataa gatcatgaca tctacaaaaa aaaaaaaaaa a 1001

```

<210> 65

<211> 575

<212> DNA

<213> Homo sapiens

<400> 65

```

acttgatata aaaaggatat ccataatgaa tattttatac tgcattcttt acattagcca 60

```

```

ctaaatacgt tattgcttga tgaagacctt tcacagaatc ctatggattg cagcatttca 120
cttggctact tcatacccat gccttaaaga ggggcagttt ctcaaaagca gaaacatgcc 180
gccagttctc aagttttcct cctaactcca tttgaatgta agggcagctg gcccccaatg 240
tggggagggtc cgaacatttt ctgaattccc attttcttgt tcgcggctaa atgacagttt 300
ctgtcattac ttagattccc gatctttccc aaagggtgtt atttacaaag aggccagcta 360
atagccagaa atcatgaccc tgaaagagag atgaaatttc aagctgtgag ccaggcagga 420
gtccagtat ggcaaagggt cttgagaatc agccatttgg taaaaaaaag atttttaaaag 480
cttttatgtt ataccatgga gccatagaaa ggctatggat tgtttaagaa ctattttaaa 540
gtgttcaga cccaaaaagg aaaaaaaaaa aaaaaa 575

```

```

<210> 66
<211> 831
<212> DNA
<213> Homo sapiens

```

AI
ux

```

<400> 66
attgggctcc ttctgctaaa cagccacatt gaaatggttt aaaagcaagt cagatcaggt 60
gatttgtaaa attgtattta tctgtacatg tatgggcttt taattcccac caagaaagag 120
agaaattatc tttttagtta aaaccaaatt tcacttttca aaatatcttc caacttattt 180
attggttgtc actcaattgc ctatatatat atatatatat gtgtgtgtgt gtgtgtgcgc 240
gtgagcgac gtgtgtgtat gcgtgcgcgt gtgtgtgtat gtgtattatc agacataggt 300
ttctaaactt tagatagaag aggagcaaca tctatgccaa atactgtgca ttctacaatg 360
gtgctaactc cagacctaaa tgatactcca tttaatttaa aaaagagttt taaataatta 420
tctatgtgcc tgtatttccc ttttgagtgc tgcacaacat gttaacatat tagtgtaaaa 480
gcagatgaaa caaccacgtg ttctaaagtc tagggattgt gctataatcc ctatttagtt 540
caaaattaac cagaattcct ccattgtgaa tggaccaaac tcatattatt gttatgtaaa 600
tacagagttt taatgcagta tgacatccca caggggaaaa gaatgtctgt agtgggtgac 660
tgttatcaaa tattttatag aatacaatga acggtgaaca gactggtaac ttgtttgagt 720
tcccatgaca gatttgagac ttgtcaatag caaatcattt ttgtatttaa atttttgtac 780
tgatttgaaa aacatcatta aatatcttta aaagtaaaaa aaaaaaaaaa a 831

```

```

<210> 67
<211> 590
<212> DNA
<213> Homo sapiens

```

```

<400> 67
gtgctctgtg ttttttttta ctgcattaga cattgaatag taatttgcgt taagatacgc 60
ttaaaggctc tttgtgacca tgtttccctt tgtagcaata aaatgttttt tacgaaaact 120
ttctccctgg attagcagtt taaatgaaac agagttcatc aatgaaatga gtatttataa 180
taaaaaattg ccttaatgta tcagttcagc tcacaagtat tttaagatga ttgagaagac 240
ttgaattaaa gaaaaaaaaa ttctcaatca tttttttaa atataagact aaaattgttt 300
ttaaaacaca tttcaaatag aagtgaagtt gaactgacct tatttatact ctttttaagt 360
ttgttccctt tcctgtgcc tgtgtcaaat ctccaagtc tgctgaaaat acatttgata 420
caaagttttc tgtagttgtg ttagttcttt tgtcatgtct gtttttggt gaagaaccaa 480
gaagcagact tttcttttaa aagaattatt tctctttcaa atatttctat cttttttaa 540
aaattccctt ttatggctta tatactaca tatttaaaaa aaaaaaaaaa 590

```

```

<210> 68
<211> 301
<212> DNA

```

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 68

ttgtgttggg gttccctttt ccggtcggcg tggctctgcg agtggagtgt ccgctgtgcc	60
cgggcctgca ccatgagcgt cccggccttc atcgacatca gtgaagaaga tcaggctgct	120
gagcttcgtg cttatctgaa atctaaagga gctgagattt cagaagagaa ctcggaagggt	180
ggacttcatg ttgatttagc tcaaattatt gaagcctgtg atgtgtgtct gaaggaggat	240
gataaagatg ttgaaagtgt gatgaacagt ggggnatcct actcttgatc cggaanccna	300
c	301

<210> 69

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 69

tctatgagca tgccaaggct ctgtgggagg atgaaggagt gcgtagctgc tacgaacgct	60
ccaacgagta ccagctgatt gactgtgccc agtacttctt ggacaagatc gacgtgatca	120
agcaggctga ctatgtgccg agcgatcagg acctgcttcg ctgccgtgct ctgacttctg	180
gaatctttga gaccaagtgc caggtggacn aagtcaactt ccacatgntt gacgtgggtg	240
gccagcgca tgaacgccgc aagtggatcc agtgcttcaa cgatgtgact gccatcatct	300
t	301

<210> 70

<211> 201

<212> DNA

<213> Homo sapiens

<400> 70

gcggctcttc ctcgggcagc ggaagcggcg cggcggtcgg agaagtggcc taaaacttcg	60
gcgttgggtg aaagaaaatg gcccgaacca agcagactgc tcgtaagtcc accggtggga	120
aagcccccg caaacagctg gccacgaaag ccgccaggaa aagcgtctcc tctaccggcg	180
gggtgaagaa gcctcatcgc t	201

<210> 71

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 71

41
nt


```

gccggggtag tcgccgncgc cgccgccgct gcagccactg caggcaccgc tgccgccgcc      60
tgagtagtgg gcttaggaag gaagaggtea tctcgctcgg agcttcgctc ggaaggggtct      120
ttgttccctg cagccctccc acgggaatga caatggataa aagtgaagctg gtacanaaag      180
ccaaactcgc tgagcaggct gagcgatatg atgatatggc tgcagccatg aaggcagtc      240
cagaacaggg gcatgaactc ttcaacgaag agagaaatct gctctctggt gcctacaaga      300
a                                          301

```

```

<210> 72
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> modified_base
<222> (250)
<223> Where n is unknown

```

```

<400> 72
cttgggggggt gttggggggag agactgtggg cctggaaata aaacttgtct cctctaccac      60
caccctgtac cctagcctgc acctgtccac atctctgcaa agttcagctt ccttccccag      120
gtctctgtgc actctgtctt ggatgctctg gggagctcat gggaggagga gtctccacca      180
gagggaggct caggggactg gttggggccag ggatgaatat ttgagggata aaaatttgtt      240
aagagccaan g                               251

```

AI
wt

```

<210> 73
<211> 913
<212> DNA
<213> Homo sapiens

```

```

<400> 73
tttttttttt tttttcccag gccctctttt tatttacagt gataccaaac catccacttg      60
caaattcttt ggtctcccat cagctggaat taagtaggta ctgtgtatct ttgagatcat      120
gtatttgtct ccactttggt ggatacaaga aaggaaggca cgaacagctg aaaaagaagg      180
gtatcacacc gctccagctg gaatccagca ggaacctctg agcatgccac agctgaacac      240
ttaaagagg aaagaaggac agctgctctt catttatttt gaaagcaaat tcatttgaaa      300
gtgcataaat ggtcatcata agtcaaactg atcaattaga cettcaacct aggaaacaaa      360
attttttttt tctatttaat aatacaccac actgaaatta tttgccaatg aatcccaaag      420
atlttggtaca aatagtacaa ttcgtatttg ctttcctctt tcttttcttc agacaaacac      480
caaataaaat gcagggtgaaa gagatgaacc acgactagag gctgacttag aaatttatgc      540
tgactcgatc taataaaaaat tatgttggtt aatgttaatc tatctaaaat agagcatttt      600
gggaatgctt ttcaaagaag gtcaagtaac agtcatacag ctagaaaagt cctgaaaaaa      660
aagaattggt aagaagtata ataacctttt caaaacccac aatgcagctt agttttcctt      720
tattttattg tggatcatgaa gactatcccc atttctccat aaaatcctcc ctccatactg      780
ctgcattatg gcacaaaaga ctctaagtgc caccagacag aaggaccaga gtttctgatt      840
ataaacaatg atgctgggta atgtttaaat gagaacattg gatatggatg gtcagcccaa      900
cacaatggaa ttc                               913

```

```

<210> 74
<211> 351
<212> DNA

```

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 74

tgtgcncagg	ggatgggtgg	gcngtggaga	ngatgacaga	aaggctggaa	ggaanggggg	60
tgggtttgaa	ggccanggcc	aaggggncc	caggtccgnt	tctgnnaagg	gacagccttg	120
aggaaggagn	catggcaagc	catagctagg	ccaccaatca	gattaagaaa	nnctgagaaa	180
nctagctgac	catcactgtt	ggtgnccagt	ttccaacac	aatggaatnc	caccacactg	240
gactagnnga	nccactagtt	ctagagcggc	cgccaccg	gtggaacccc	aacttttgcc	300
cctttagnga	gggttaattg	cgcgcttggc	ntaatcatgg	tcataagctg	t	351

<210> 75

<211> 251

<212> DNA

<213> Homo sapiens

<400> 75

tacttgacct	tctttgaaaa	gcattcccaa	aatgctctat	tttagataga	ttaacattaa	60
ccaacataat	tttttttaga	tcgagtcagc	ataaatttct	aagtcagcct	ctagtcgtgg	120
ttcatctctt	tcacctgcat	tttatttggg	gtttgtctga	agaaaggaaa	gaggaaagca	180
aatacgaatt	gtactatttg	taccaaattc	ttgggattca	ttggcaaata	atttcagtgt	240
ggtgtattat	t					251

<210> 76

<211> 251

<212> DNA

<213> Homo sapiens

<400> 76

tatttaataa	tacaccacac	tgaaattatt	tgccaatgaa	tcccaaagat	ttggtacaaa	60
tagtacaatt	cgtatttgct	ttcctctttc	ctttcttcag	acaaacacca	aataaaatgc	120
aggtgaaaga	gatgaaccac	gactagaggc	tgacttagaa	atztatgctg	actcgatcta	180
aaaaaaatta	tgttgggtta	tgtaaatcta	tctaaaatag	agcatttttg	gaatgctttt	240
caaagaaggt	c					

<210> 77

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 77

actcaccgtg	ctgtgtgctg	tgtgectgct	gcctggcagc	ctggccctgc	cgctgctcag	60
gaggcgggag	gcatgagtga	gctacagtgg	gaacaggctc	aggactatct	caagagannn	120
tatctctatg	actcagaaac	aaaaaatgcc	aacagtttag	aagccaaact	caaggagatg	180
caaaaattct	ttggcctacc	tataactgga	atgttaaact	cccgcgtcat	agaaataatg	240
cagaagccca	gatgtggagt	gccagatggt	gcagaatact	cactatttcc	aaatagccca	300

aaatggactt ccaaagtgggt cacctacagg atcgtatcat atactcgaga c

351

<210> 78
 <211> 1592
 <212> DNA
 <213> Homo sapiens

<400> 78

gaattccatt gtgttggggc cctggggggc gaggggaggg gccaccacg gccttatttc 60
 cgcgagcgcc ggcaactgcc gctccgagcc cgtgtctgtc gggtgccgag ccaactttcc 120
 tgcgtccatg cagccccgcc ggcaacggct gcccgtccc tgggccgggc ccagggggccc 180
 gcgccccacc gccccgtgc tcgctgtgtc gctgttctc gcccgggtgg cggcgcccg 240
 ggggtccggg gaccccgacg accctgggca gcctcaggat gctgggggtcc cgcgcaggct 300
 cctgcagcag gcggcgcgcg cggcgcttca cttcttcaac ttccgggtccg gctcgccag 360
 cgcgctgcga gtgttgccg aggtgcagga gggccgcgcg tggattaatc caaaagaggg 420
 atgtaaagt cactgtgtct tcagcacaga gcgtacaac ccagagtctt tacttcagga 480
 aggtgagggg cgtttgggga aatgttctgc tcgagtgttt ttcaagaatc agaaacccag 540
 accaactatc aatgtaact gtacacggct catcgagaaa aagaaaagac aacaagagga 600
 ttacctgctt tacaagcaa tgaagcaact gaaaaacccc ttggaaatag tcagcatacc 660
 tgataatcat ggacatattg atccctctct gagactcatc tgggatttgg ctttccttgg 720
 aagctcttac gtgatgtgg aaatgacaac acagggtgtc cactactact tggcacagct 780
 cactagtgtg aggcagtgg aaactaatga tgatacaatt gattttgatt atactgttct 840
 acttcatgaa ttatcaacac aggaaataat tccctgtcgc attcacttgg tctggtaccc 900
 tggcaaacct cttaaagtga agtaccactg tcaagagcta cagacaccag aagaagcctc 960
 cggaactgaa gaaggatcag ctgtagtacc aacagagctt agtaatttct aaaaagaaaa 1020
 aatgatcttt ttccgacttc taaacaagtg actatactag cataaatcat tcttctagta 1080
 aaacagctaa ggtatagaca ttctaataat ttgggaaaac ctatgattac aagtaaaaaac 1140
 tcagaaatgc aaagatgttg gttttttgtt tctcagtctg ctttagcttt taactctgga 1200
 agcgcatgca cactgaactc tgctcagtgc taaacagtca ccagcagggt cctcagggtt 1260
 tcagccctaa aatgtaaaac ctggataatc agtgatgtt gcaccagaat cagcattttt 1320
 tttttaactg caaaaaatga tggctctcat tctgaattta tatttctcat tcttttgaac 1380
 atactatagc taatatattt tatgttgcta aattgcttct atctagcatg ttaaacaaaag 1440
 ataataact ttcgatgaaa gtaaatata ggaaaaaat taactgtttt aaaaagaact 1500
 tgattatgtt ttatgatctt aggcaagtat tcatttttaa cttgctacct acttttaaat 1560
 aaatgtttac atttctaaaa aaaaaaaaaa aa 1592

<210> 79
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 79

catactgtga attgttcttg actccttttc ttgacattca gttttcanaa tttccatctt 60
 tcttctggaa ctaatgtgct gttctcttga ctgcctgtc ggcagcatc cgattgccag 120
 ccagaaacgt cactactgcc aagatggcca ggtacttcaa ggtctggaac atgttgagct 180
 gagtccagta gacatacatg agtcccagca tagcagcatg tcccaggtga aatataatcg 240
 tgctaggagc aaaagtgaag ttggagacat tggcaccaat ccggatccac tagttctaga 300
 gcggccgcca ccgcgggtgga gctccagctt ttgttccctt tagtgagggt taattgcgcg 360

cttggcgtaa tcatggncat agctgtttcc tgtgtgaaat t

401

<210> 80
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 80
 aaaaatgaaa catctatttt agcagcaaga ggctgtgagg gatggggtag aaaaggcatc 60
 ctgagagagt tctagaccga cccaggctct gtggcacact atacgggtca ggaggggtgg 120
 aagacaggcc taagctctag gacgggtgaat ctcggggcta tttgtggatt tgtagaaac 180
 agacattctt ttggcctttt cctggcactg gtgttgccgg caggtgggca gaagtgaacc 240
 accagtcact gttcagtcac tgccaccaca gatcttcagc agaatcttcc ggtaatcccc 300
 t 301

<210> 81
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> modified_base
 <222> (195)
 <223> Where n is unknown

AI cut
 <400> 81
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 agccttttaga atgtggcagc aagagaaagc ggactacgca ggaacgggga gtttgggaga 120
 agctctcctg gtgttgactt agggatgaag gctccaggct gctgccagaa atggagtcac 180
 cagcagaaga actgntttct ctgataagga tgtcccacca ttttcaagct gttcggttaa 240
 gttacacagg tccttcttgc agcagtaagt accgtagct cattttccct caagcgggtt 300
 t 301

<210> 82
 <211> 201
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 82
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 aagagatcca tggcaggaag tcaagagttc tgcttcaggg tcggtctggg cagccctgga 120
 agaagtcatt gcacatgaca gtgatgagtg ccaggaaaac agcatactcc tggaaagtcc 180
 acctgctggn cactgnttca t 201

<210> 83
 <211> 251
 <212> DNA
 <213> Homo sapiens

<220>
 <221> modified_base
 <222> (232)
 <223> Where n is unknown

<400> 83
 gtaaggagca tactgtgccc atttattata gaatgcagtt aaaaaaata ttttgagggt 60
 agcctctcca gtttaaaagc acttaacaag aaacacttgg acagcgatgc aatggtctct 120
 cccaaaccgg ctccctctta ccaagtaccg taaacagggt ttgagaacgt tcaatcaatt 180
 tcttgatatg aacaatcaaa gcatttaatg caaacatatt tgcttctcaa anaataaaac 240
 cattttccaa a 251

<210> 84
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

<400> 84
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 taaaaactca ggtatcagaa agactcaaaa ggctgttttt cactttgttc agattttgtt 120
 tccaggcatt aagtgtgtca tacagttgtt gccactgctg ttttccaaat gtccgatgtg 180
 tgctatgact gacaactact tttctctggg tctgatcaat tttgcagtan accatttttag 240
 ttcttacggc gtcnataaca aatgcttcaa catcatcagc tccaatctga agtcttgctg 300
 c 301

<210> 85
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 85
 tatttggtgta tgtaacattt attgacatct acccactgca agtatagatg aataagacac 60
 agtcacacca taaaggagtt tatccttaaa aggagtgaag gacattcaaa aaccaactgc 120
 aataaaaaag ggtgacataa ttgctaaatg gagtggagga acagtgtcta tcaattcttg 180
 attgggccac aatgatatac c 201

<210> 86
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> modified_base
 <222> (237)
 <223> Where n is unknown

<400> 86

tttataaaat	atthttattta	cagtagagct	ttacaaaaat	agtcttaa	taatacaaat	60
cccttttgca	atataactta	tatgactatc	ttctcaaaaa	cgtgacattc	gattataaca	120
cataaactac	atthtatagtt	gttaagtcac	cttgtagtat	aaatatgttt	tcatcttttt	180
tttgtaataa	ggtacatacc	aataacaatg	aacaatggac	aacaaatctt	atthttgntat	240
tcttccaatg	taaaattcat	ctctggccaa	aacaaaatta	accaaagaaa	agtaaaacaa	300
t						301

<210> 87
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

aaaaaaagatt	taagatcata	aatagggtcat	tgttggtcaca	acacatttca	gaatctttaa	60
aaaacaaaca	ttttggcttt	ctaagaaaaa	gactttttaa	aaaaatcaat	tccctcatca	120
ctgaaaggac	ttgtacattt	ttaaacttcc	agtctcctaa	ggcacagtat	ttaatcagaa	180
tgccaatatt	accaccctgc	tgtagcanga	ataaagaagc	aagggattaa	cacttaaaaa	240
aacngccaaa	ttcctgaacc	aatcattgg	catttttaaa	aagggataaa	aaaacnggnt	300
aaggggggga	gcatttttaag	taaagaangg	ccaaggggtg	tatgccngga	c	351

<210> 88
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Where n is unknown for all occurrences

gttttaggtc	ttaccaatt	tgattgggtt	atcaacaggg	catgagggtt	aaatatatct	60
ttgaggaaag	gtaaagtcaa	atttgacttc	atagggtcatc	ggcgctctca	ctcctgtgca	120
ttttctgggtg	gaagcacaca	gttaattaac	tcaagtgtgg	cgntagcgat	gctttttcat	180
ggngtcattt	atccacttgg	tgaacttgca	cacttgaatg	naaactcctg	ggtcattggg	240
ntggccgcaa	gggaaaggtc	ccaagacac	caaaccttgc	agggtagctn	tgcacaccaa	300
c						301

<210> 89
 <211> 591
 <212> DNA
 <213> Homo sapiens

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gctctccctc	ctccccctgc	ctagcccagg	gacagagtct	aggaggagcc	tggggcagag	180
ctggaggcag	gaagagagca	ctggacagac	agctatggtt	tggattgggg	aagagattag	240
gaagtaggtt	cttaaagacc	cttttttagt	accagatctc	cagccatatt	cccagctcca	300
ttattcaaat	catttcccat	agcccagctc	ctctctgttc	tccccctact	accaattctt	360

tggtctttac	acaattttta	tccctcaaat	attcatccct	ggcccaacca	gtcccctgag	420
cctccctctg	gtggagactc	ctccacccat	gagctcccca	gagcatccaa	gacagagtgc	480
acagagacct	ggggaaggaa	gctgaacttt	gcagagatgt	ggacaggtgc	aggctagggg	540
acagggtggt	ggtagaggag	acaagtttta	tttccaggcc	cacagtctct	c	591

<210> 90
 <211> 1996
 <212> DNA
 <213> Homo sapiens

AI
Wx

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gctaagacat	gttaaattct	taaatgccat	aatttttggt	caactgcttt	gtcattcaac	180
tcacaagtct	agaatgtgat	taagctacaa	atctaagtat	tcacagatgt	gtcttaggct	240
tggtttgtaa	caatctagaa	gcaatctggt	tacaaaagtg	ccaccaaagc	attttaaaga	300
aaccaattta	atgccacca	acataagcct	gctatacctg	ggaaacaaaa	aatctcacac	360
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gatttcctca	aaccttttgt	ttttcctcat	gtcttctgtc	tttatatttt	tatcacaaac	600
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atacatggca	ctccaagggg	atgcttcagc	cagaaagtaa	agggctgaaa	aagtagaaca	780
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aacagtttgg	cacctttcca	tgacgaggat	ctctacaggt	agggttaaat	acttttctgt	900
gctattcagc	cagaaatagt	ttttgtgctg	gatatgattt	taaaacagat	tttgtctgtc	960
accagtgcaa	aaacattaca	gatgtctggg	ctaatacaaa	aacacataag	aatctacaac	1020
tttatattta	atactctatt	caaatttaac	tcaaagtaat	gcaaaataat	tagaagtaaa	1080
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catcagtagc	tagataccag	ttccagtatt	gggttaatggt	ctctggggat	cccattttta	1260
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gaagtttact	tcataaatta	ctttttccta	tatccaggac	tctgcctgag	aaattttata	1380
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acaaactatg	gccacaggc	taaaccagc	ctccccttgt	ttttataaat	aagttttatt	1620
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agaactgaat	agttgtgaca	gagactgtat	ggaccgtgaa	gcataaatat	ttaccatctg	1740
gccatttcta	aaaaaagtgt	gccaattcct	ggtttacact	aaaatataga	gttttagtggg	1800
aagcctatth	gaaatgtgtt	ttttttaggg	gctgtaatta	ccaattaaaa	ttaaggttca	1860
ggtgactcag	caaccaaaca	aaagggatac	taatttttta	tgaacaatat	atthgtatth	1920
tatggacata	aaaggaaact	ttcagaaaga	aaaggaggaa	aataaagggg	gaaagggacc	1980
caacacaatg	gaattc					1996

<210> 91
 <211> 911
 <212> DNA
 <213> Homo sapiens

<400> 91

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agtaacaaac	aaatgtacaa	aattgtcttt	cacatttcca	tacatttgtt	tatggaccaa	120
atgaaaacgc	tggactacaa	atgcagggtt	ctttatatcc	ttaacttcaa	ttattgtcac	180
ttataaataa	aggtgatttg	ctaacacatg	catttgtgaa	cacagatgcc	aaaaattata	240
catgtaagtt	aatgcacaac	caagagtata	cactgttcat	ttgtgcagtt	atgcgtcaaa	300
tgcgactgac	acagaagcag	ttatcctggg	atatttcact	ctatatgaaa	agcatcttgg	360
agaaatagat	tgaaatacag	tttaaaacaa	aaattgtatt	ctacaaatac	aataaaattt	420
gcaacttgca	catctgaagc	aacatttgag	aaagctgctt	caataaccct	gctgttatat	480
tgggtttata	ggtatatctc	caaagtcag	ggttgggata	tagctgcttt	aaagaaaata	540
aatatgtata	ttaaaaggaa	aatcacactt	taaaaatgtg	aggaaagctt	tgaaaacagt	600
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tttcaaagta	atctgaaaac	tttctaagcc	attttaaaat	aagatttttt	tccccatctt	720
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ctgtgcta	tcataagtca	ttatacat	atgacttaag	agttcaaata	agtggaaatt	840
gggttataat	gaaaatgaca	agggggcccc	ttcagcagcc	actcatctga	actagtaatc	900
ccaacacaat	g					911

<210> 92

<211> 1710

<212> DNA

<213> Homo sapiens

<400> 92

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gaagggtcaag	acaccttctg	attgcacaga	ttaaacaaga	aagtattact	tatttcaact	120
ttacaaaagca	tcttattgat	ttaaaaagat	ccatactatt	gataaagttc	accatgaaca	180
tatatgtaat	aaggagacta	aaatattcat	tttacatata	tacaacatgt	atttcatatt	240
tctaatacaac	cacaaatcat	atagggaaaat	atttaggtcc	atgaaaaagt	ttcaaaacat	300
taaaaaatta	aagttttgaa	acaaatcaca	tgtgaaagct	cattaaataa	taacattgac	360
aaataaatag	ttaatcagct	ttacttatta	gctgctgcca	tgcatttctg	gcattccatt	420
ccaagcgagg	gtcagcatgc	aggggtataat	ttcatactat	gcgaccgtaa	agagctacag	480
ggcttatttt	tgaagtga	tgtcacagg	tctttcat	tctttcaaag	gaagatcact	540
catggctgct	aaactgttcc	catgaagagt	acaaaaaag	caccttctg	aaatgttact	600
gtgaagattc	atgacaacat	atttttttta	acctgttttg	aaggagtttt	gtttaggaga	660
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aaaaggaaaa	actattccca	agaaggtcc	tgatacttaa	gacagcttgc	tgggtttgat	900
caaagcagaa	agcatatact	ttcaagtga	aaaacagcag	tggcaggctt	gagtcctcca	960
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tcatttttaa	aagccaaaca	gcttttcatt	aggatgcatg	caaggggaag	gagatagaaa	1620

AI
W

tgaatggcag gaggaagcat ggtgagtaga ggatttgctt gactgaagag ctgggttaatt 1680
 cttttgcctc tgcccaacac aatggaattc 1710

<210> 93
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 93
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 accaacaggc cacatcctga taaaaggtaa gaggggggtg gatcagcaaa aagacagtgc 180
 tgtgggctga ggggacctgg ttcttgtgtg ttgcccctca agactcttcc cctacaaata 240
 actttcatat g 251

<210> 94
 <211> 738
 <212> DNA
 <213> Homo sapiens

AI
 <400> 94
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 tgcagagaag ggatgggccc tgagcttgag gatgaaagt cccagggag attgagacgc 120
 aacccccgcc ctggacagtt ttggaaattg ttcccagggt tcaactagag agacacgggc 180
 agccaatgt gggggaagca gacctgagt ccaggagaca tggggtcagg ggctggagag 240
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 atggtgtcat ctatctgtct cgggtaagca tcctcgcacc ttttctgact tagcacgctg 600
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 ccagacacca agcactttgt cccagcagag ggacaatgag aggagacgtt gatgggtctg 720
 acatctttag tgggacga 738
